

Fig.1

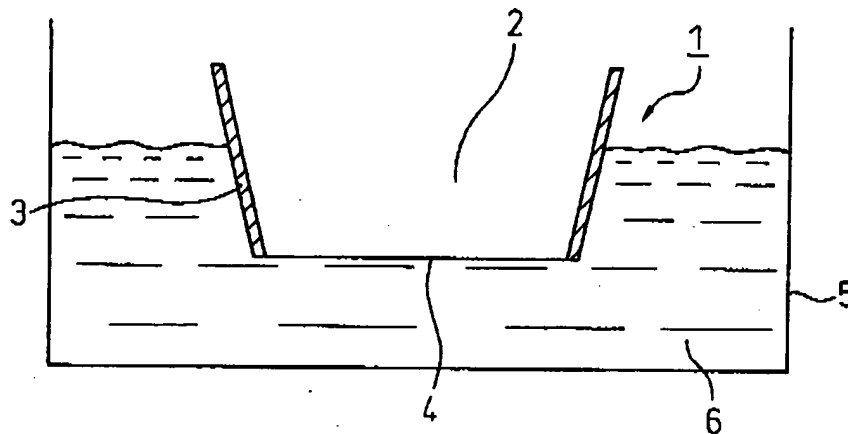


Fig.2

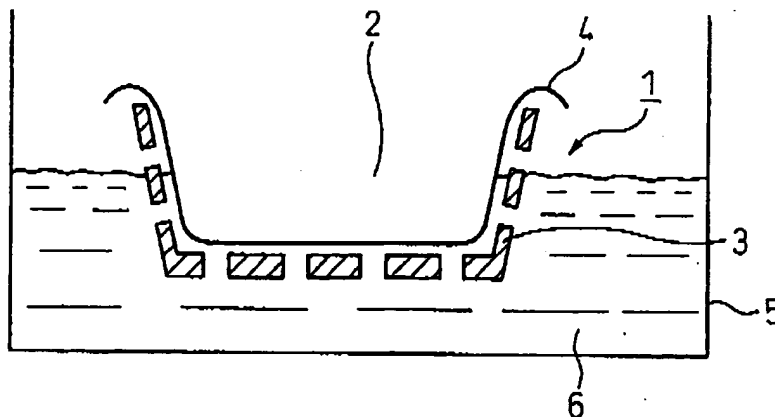


Fig. 3

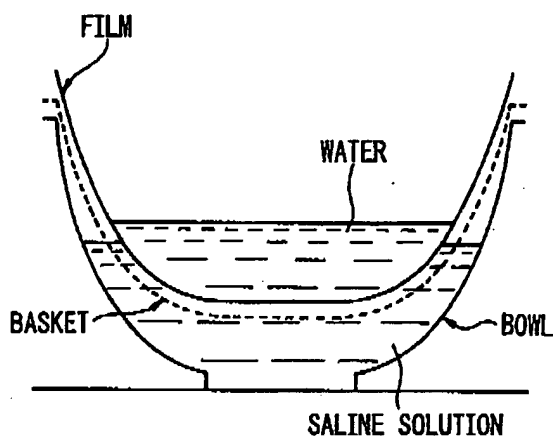


Fig. 4

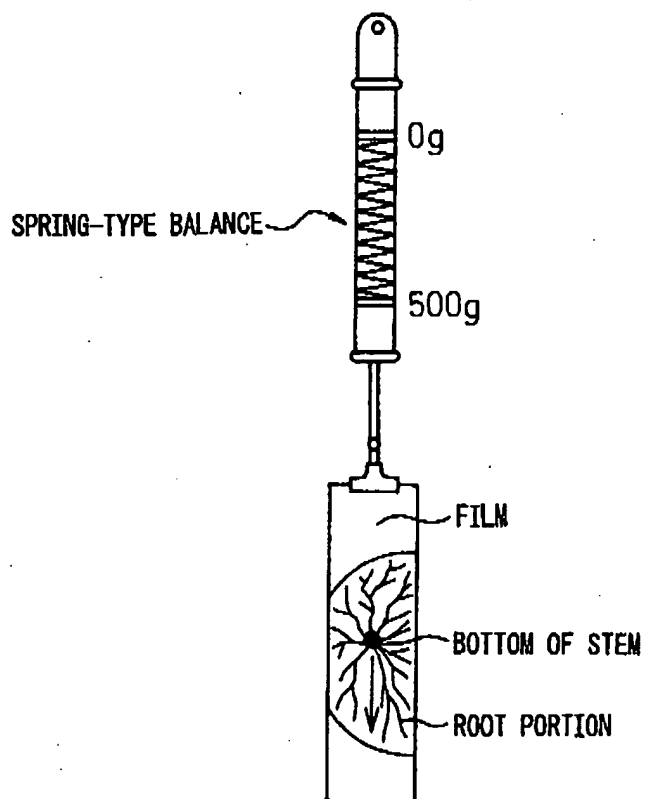


Fig. 5

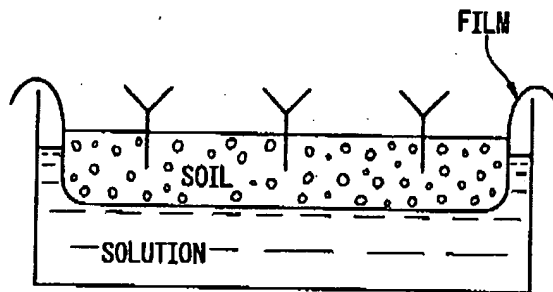


Fig. 6

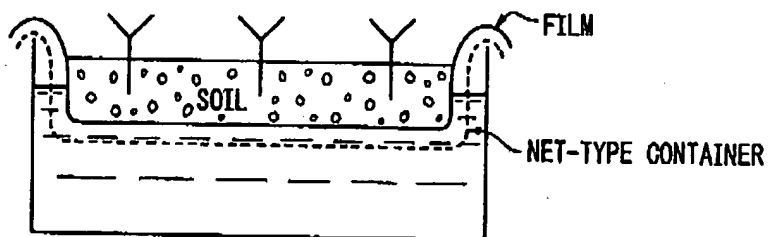


Fig. 7

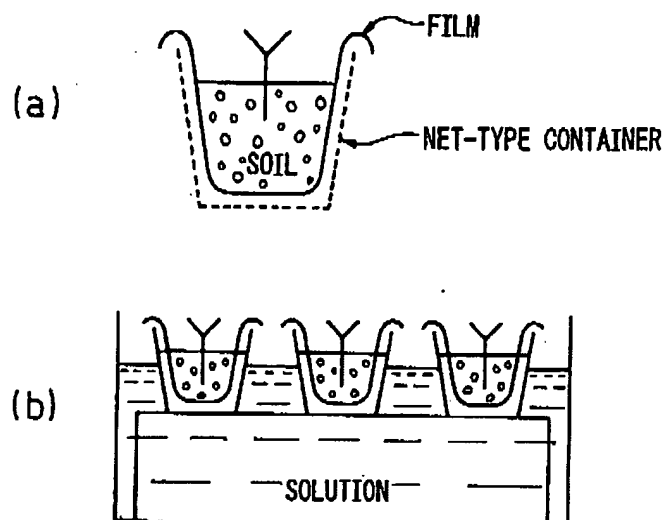


Fig. 8

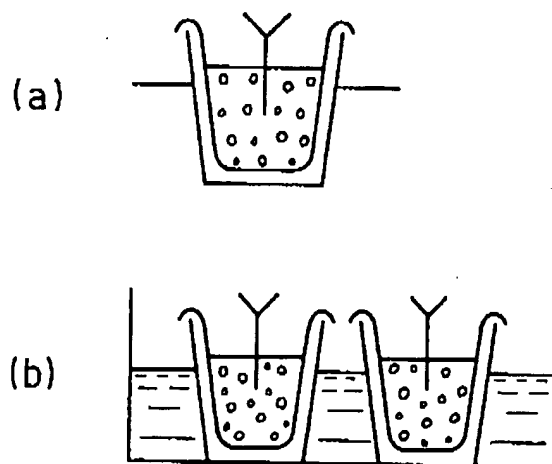


Fig.9

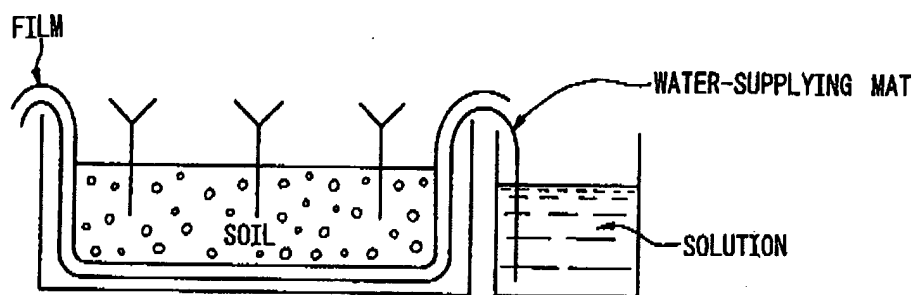


Fig.10

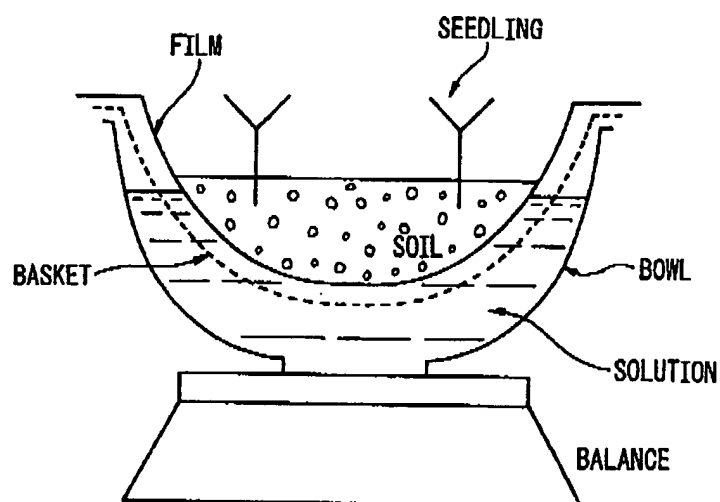


Fig.11

VERMICULITE



HYPONEX 100×DILUTION

Fig.12



HYPONEX 1000×DILUTION

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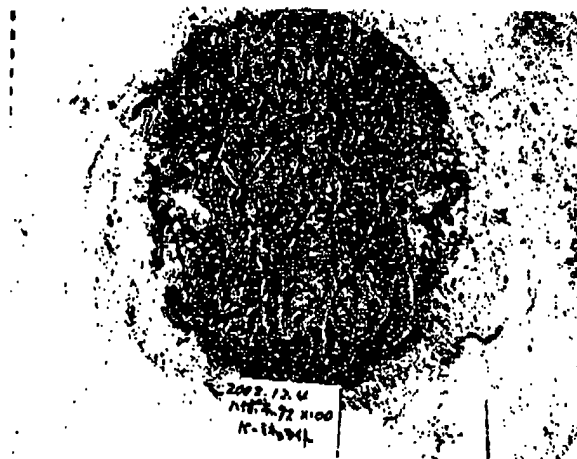
Fig. 13



WATER

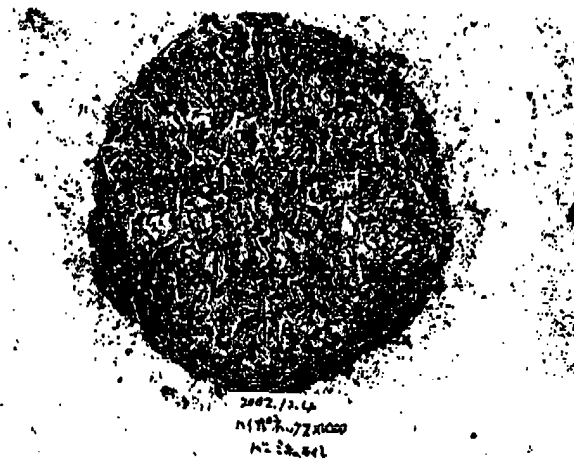
Fig. 14

VERMICULITE (BACK SIDE)



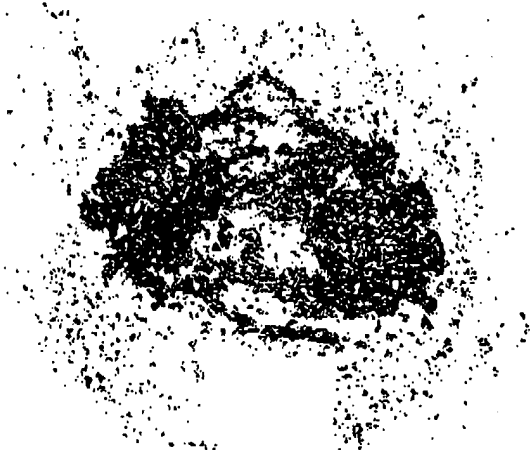
HYPONEX 100 × DILUTION

Fig.15



HYPONEX 1000×DILUTION

Fig.16



WATER

Fig. 17

TEST PIECE



Fig.18

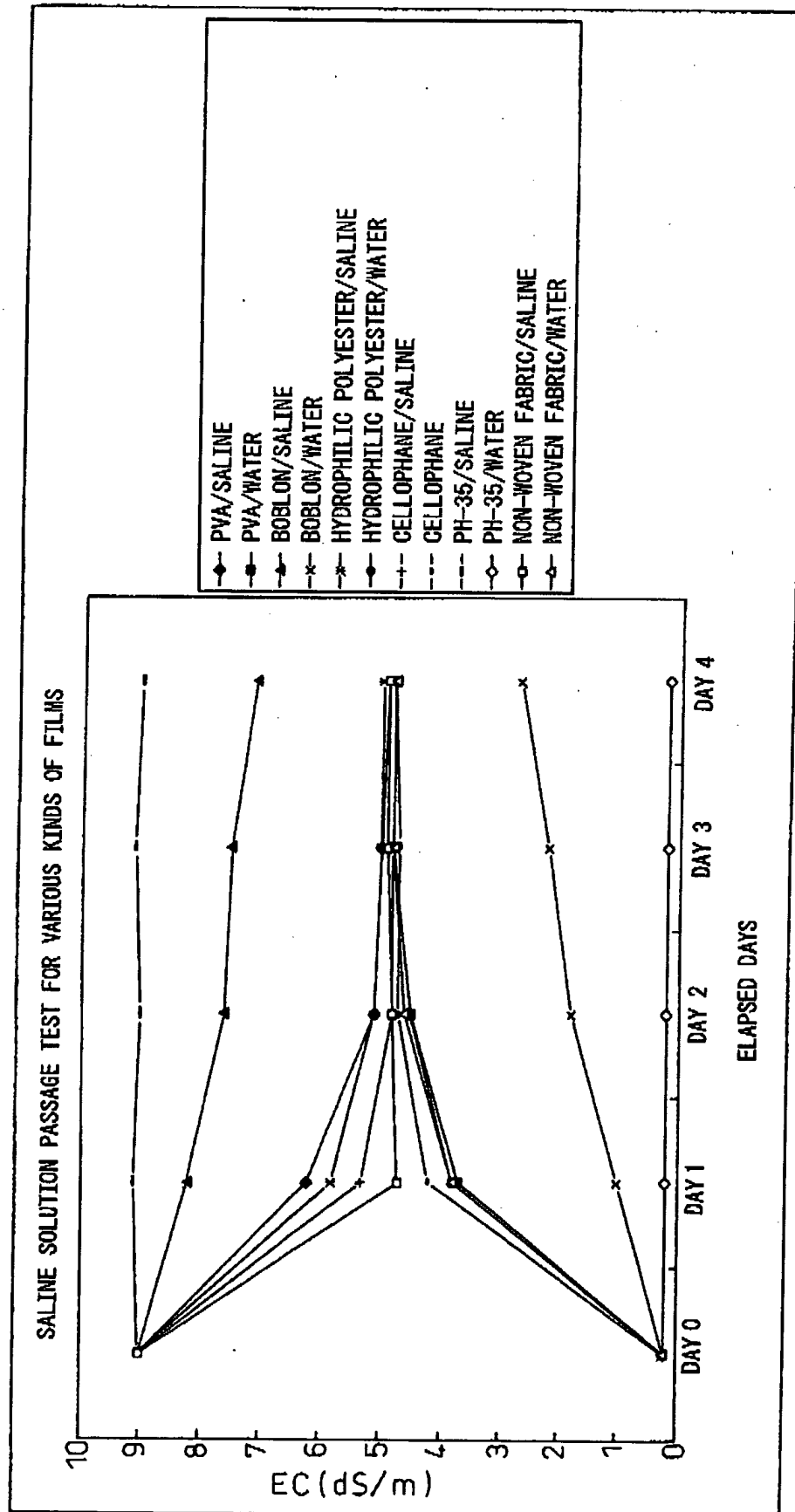


Fig.19

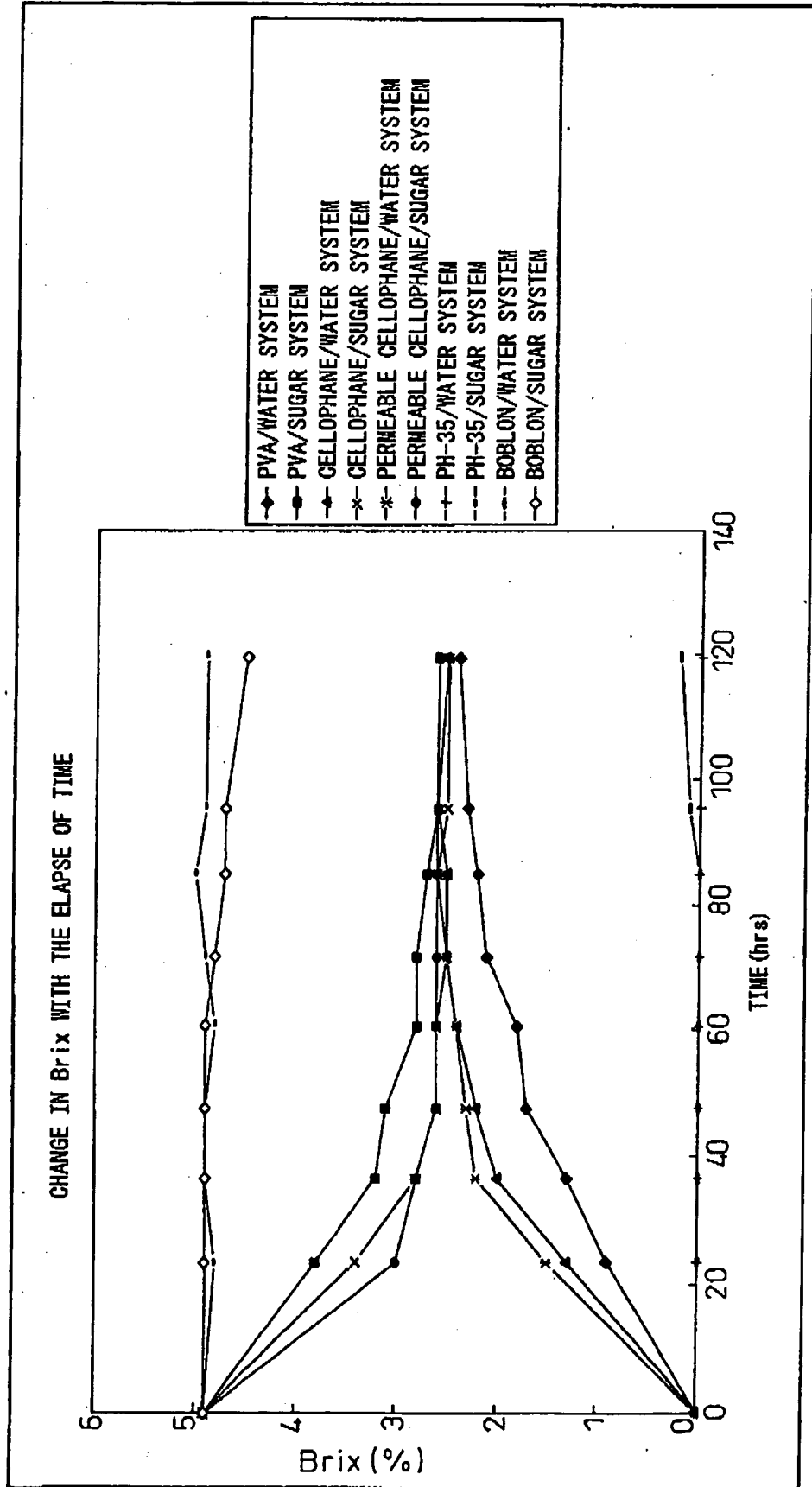


Fig.20

NON-WOVEN FABRIC (BACK SIDE)

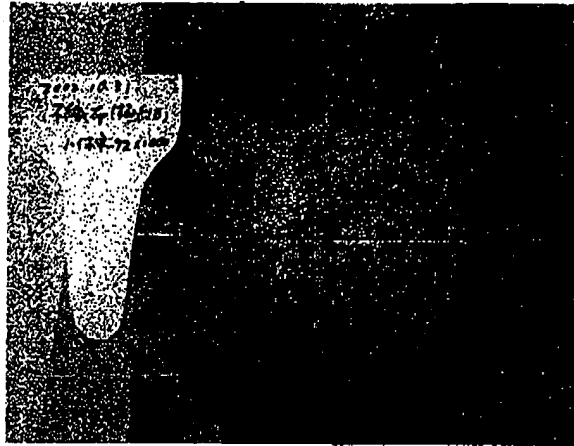


Fig.21

NON-WOVEN FABRIC (SURFACE SIDE)



Fig. 22

PVA (BACK SIDE)



Fig. 23

TIME OF PLANTING



EC:1.37 pH:7.2

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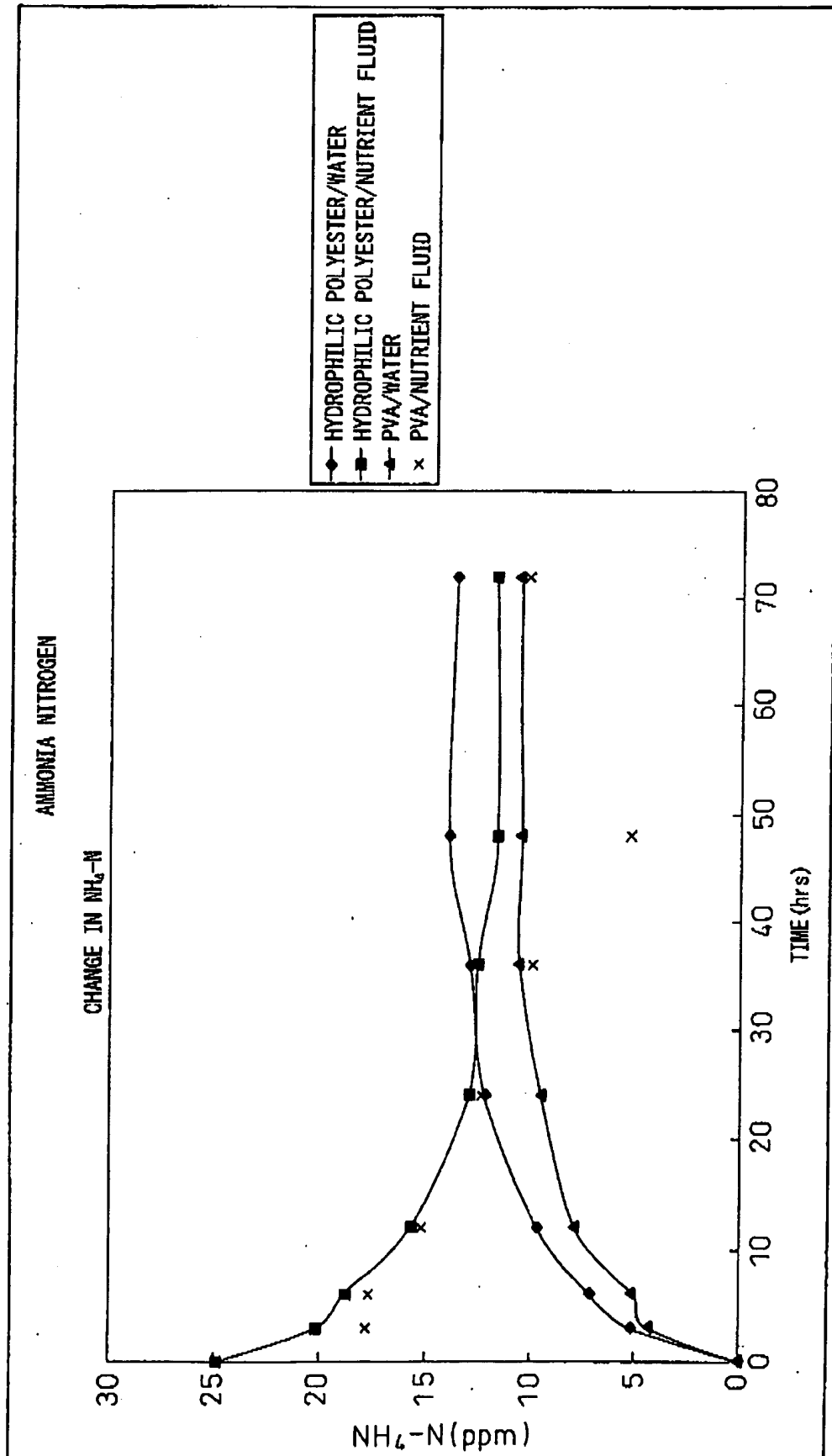
Fig.24

43 DAYS AFTER PLANTING



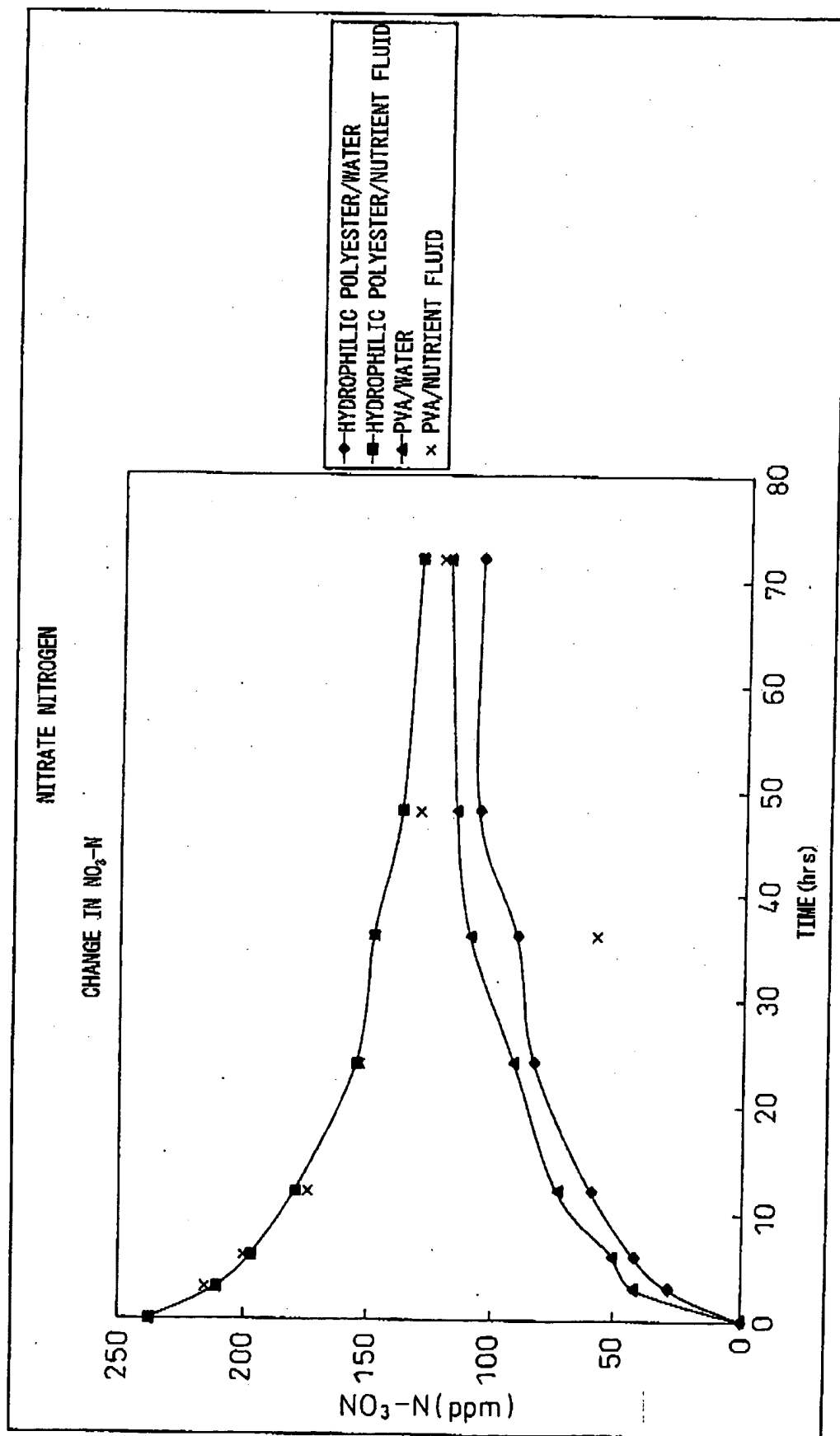
EC:0.99 pH:4.2

Fig.25



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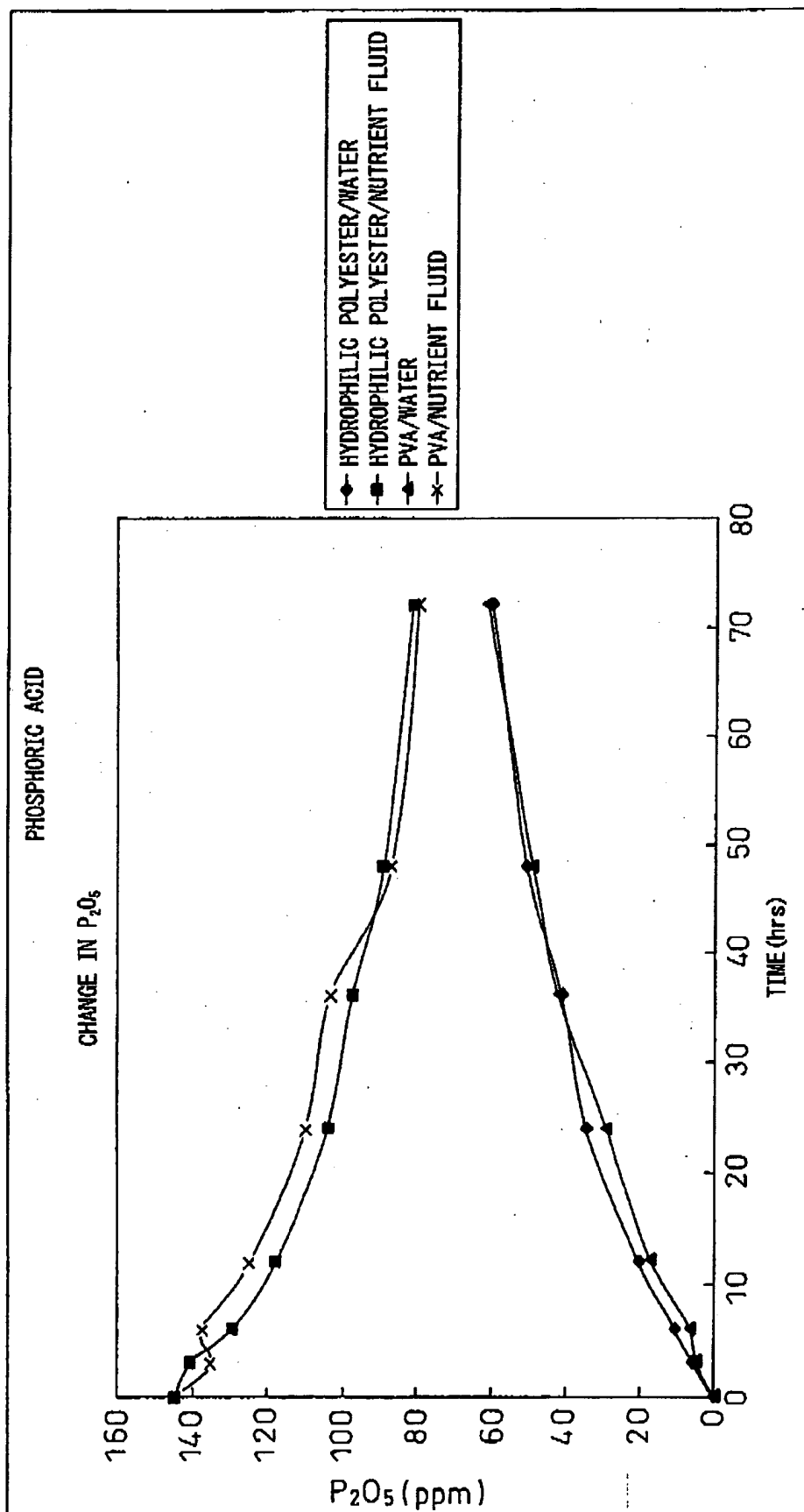
Fig.26



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Fig. 27



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Fig.28

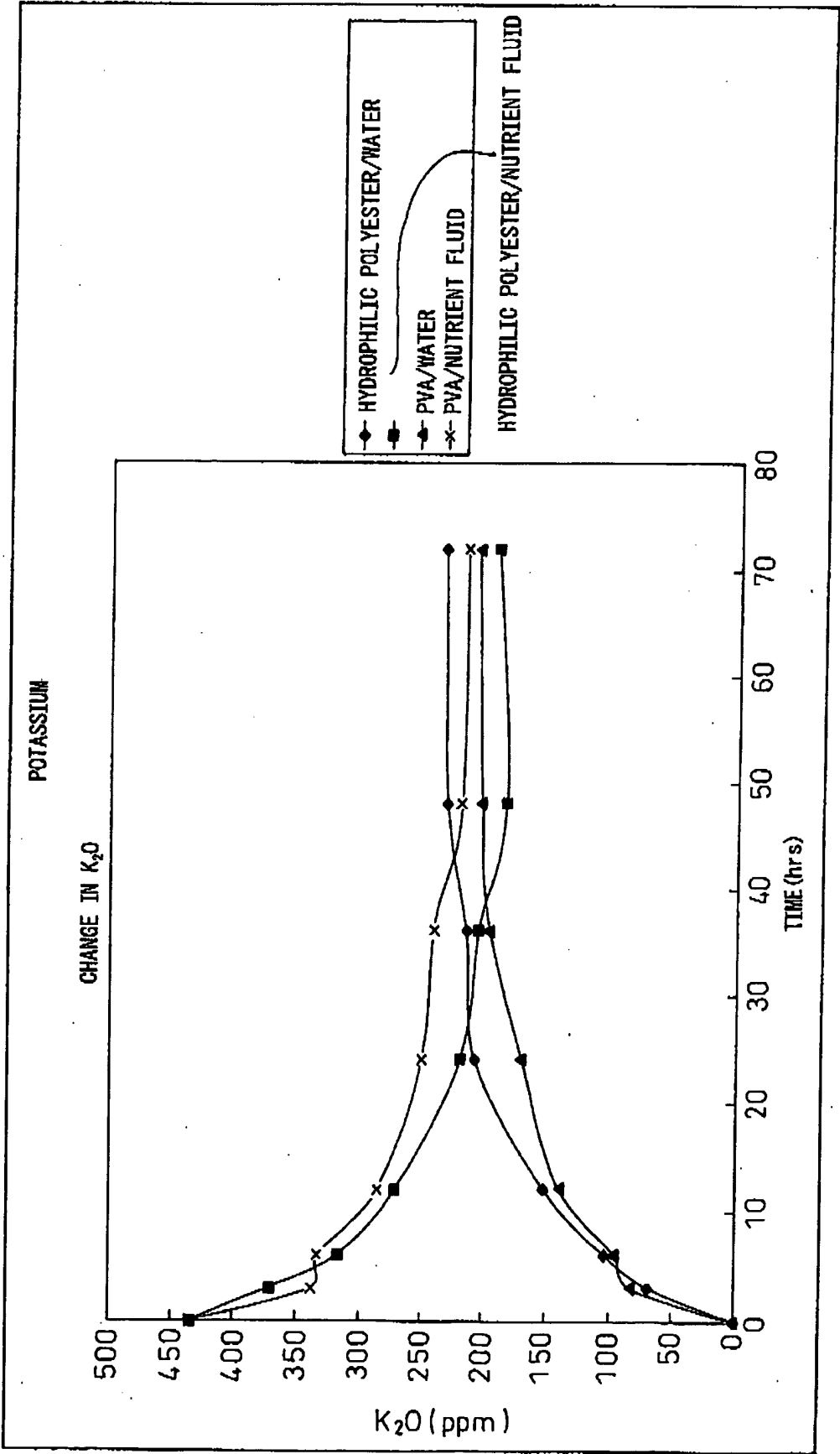


Fig.29

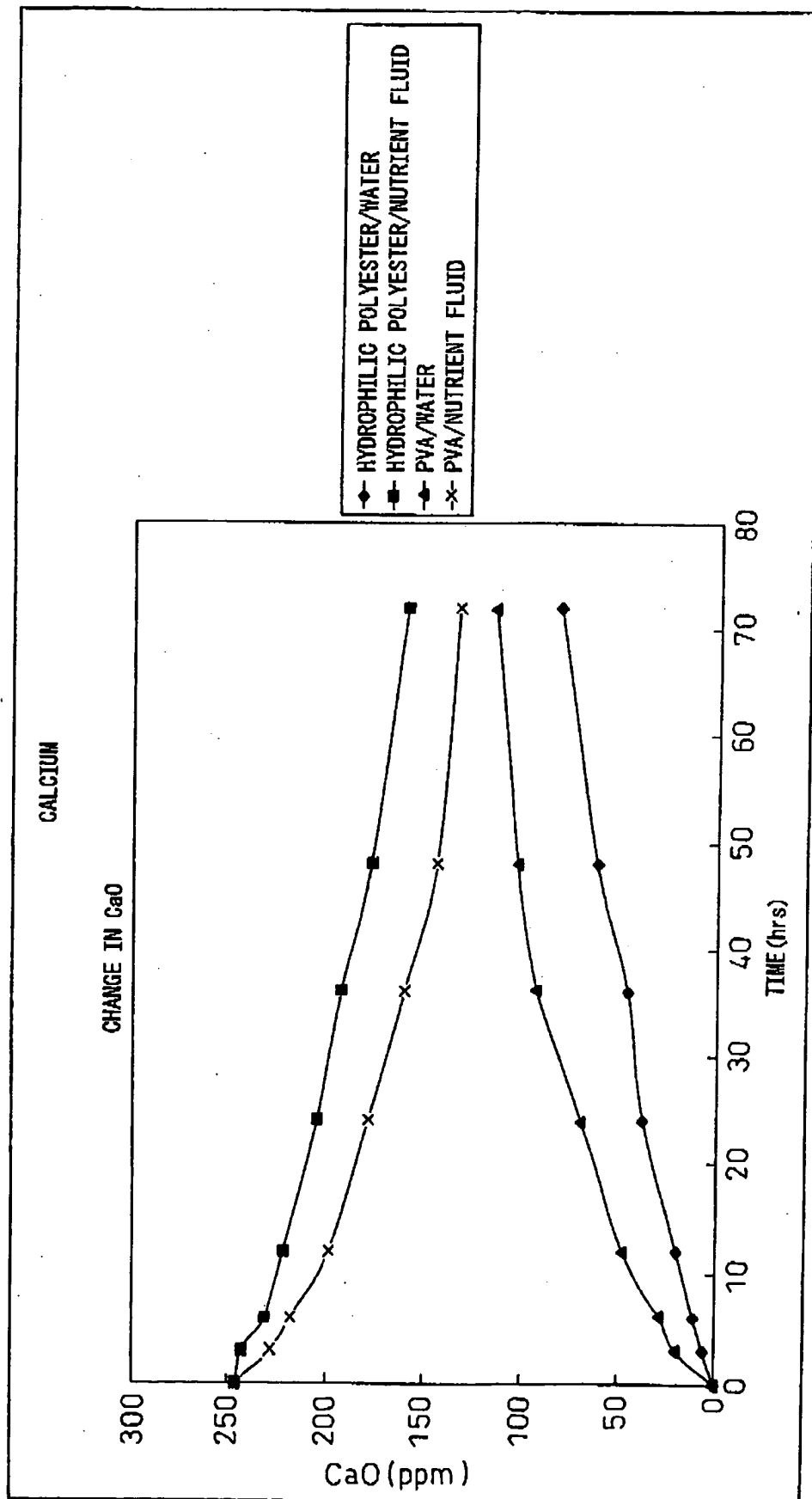


Fig.30

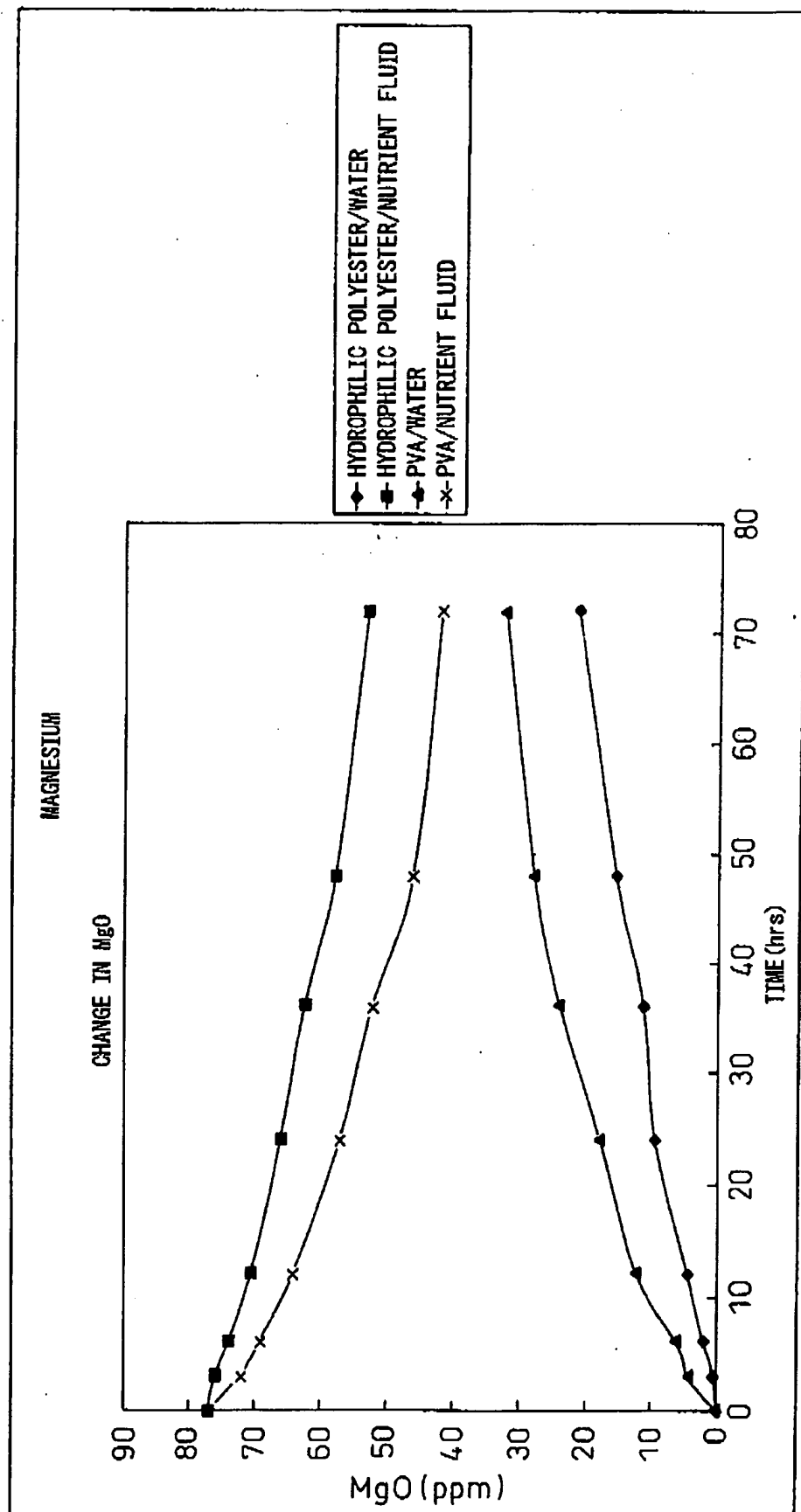


Fig.31

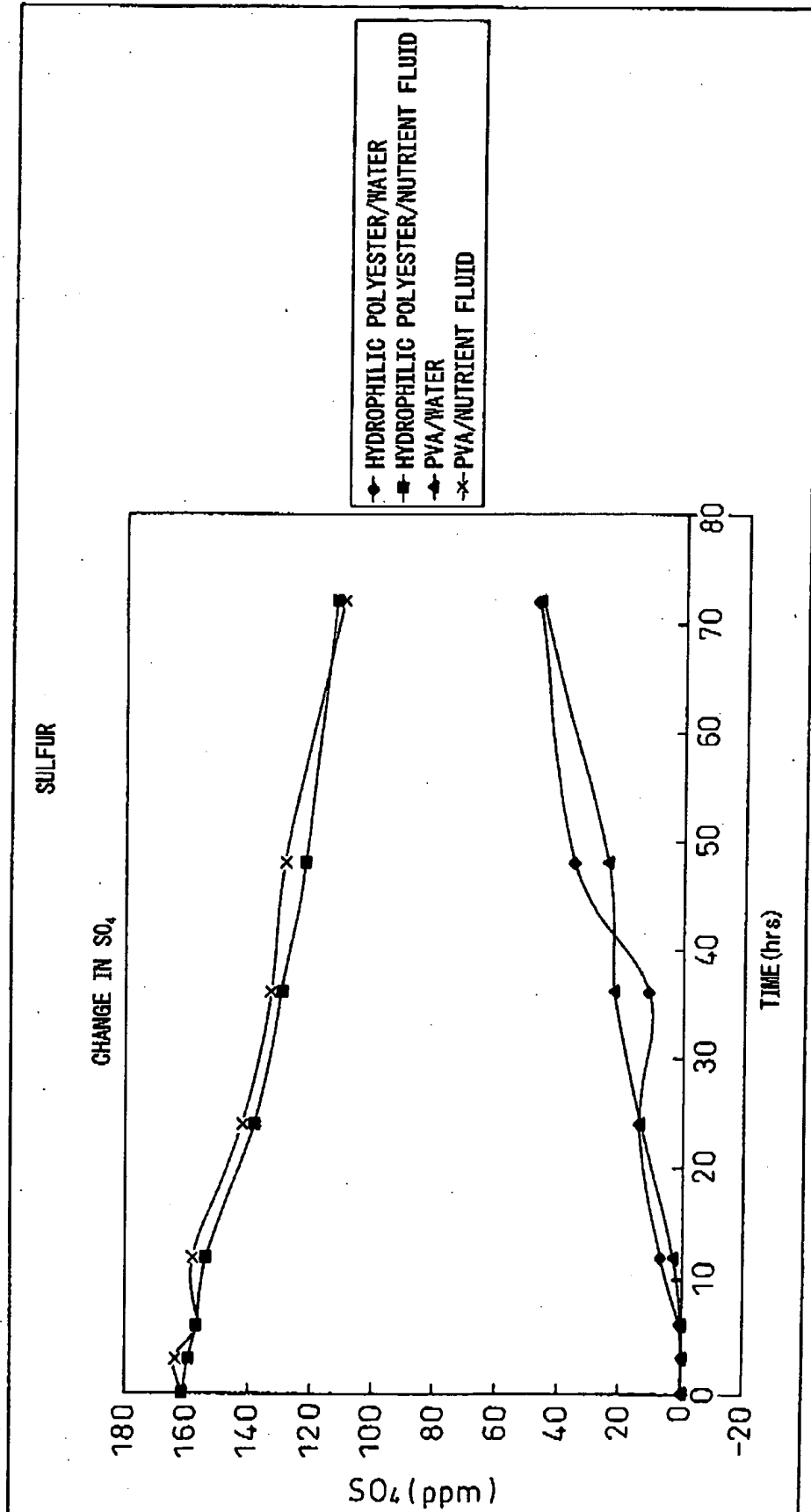


Fig.32

MAY 9 (TIME OF PLANTING)

(a) PH-35



(b) PVA



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Fig. 33

JUNE 4 (END OF CULTIVATION)

(a) PH-35

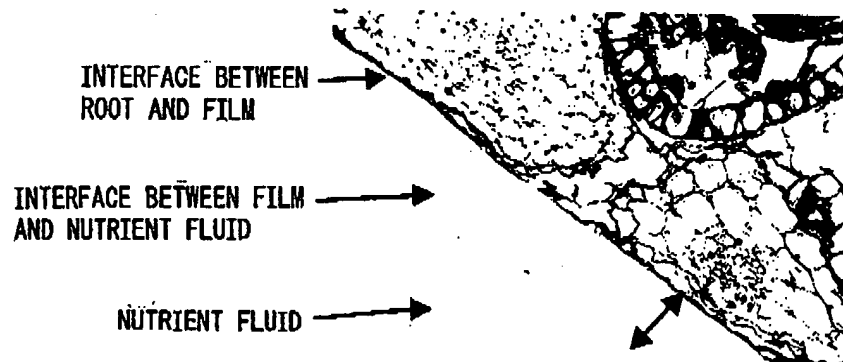


(b) PVA



Fig.34

PVA FILM THICKNESS: 40μ



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Fig. 35

DEC. 28 (TIME OF PLANTING)

(a) UNDER HEATING



(b) WITHOUT HEATING



Fig. 36

FEB. 15 (END OF CULTIVATION)

(a) UNDER HEATING



(b) WITHOUT HEATING



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Fig. 37

JUNE 23 (TIME OF PLANTING)

(a) UNDER COOLING



(b) WITHOUT COOLING



Fig. 38

JULY 31

(a) UNDER COOLING



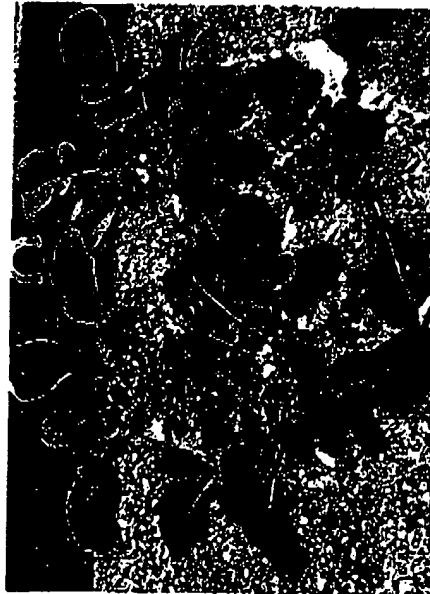
(b) WITHOUT COOLING



Fig. 39

JUNE 14 (END OF CULTIVATION)

(a) RUCOLA (WITH MULCHING-FILM)



(b) RUCOLA (WITHOUT MULCHING-FILM)



Fig. 40

JUNE 14 (END OF CULTIVATION)

(a) SUNNY LETTUCE (WITH MULCHING-FILM)



(b) SUNNY LETTUCE (WITHOUT MULCHING-FILM)



Fig. 41

CULTIVATION OF MINI-TOMATO
(AFTER 39 DAYS)

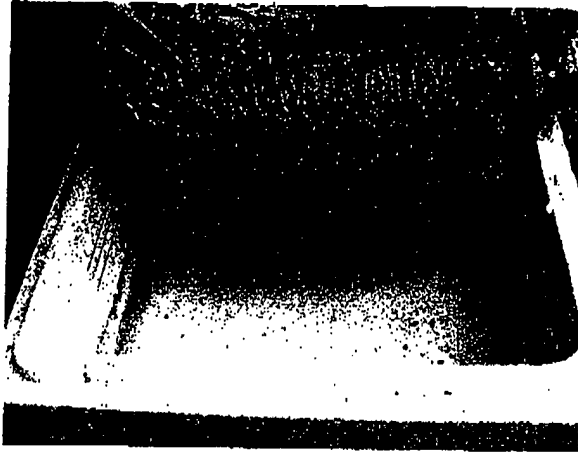


Fig. 42

RUCOLA, LETTUCE (AFTER 20 DAYS)

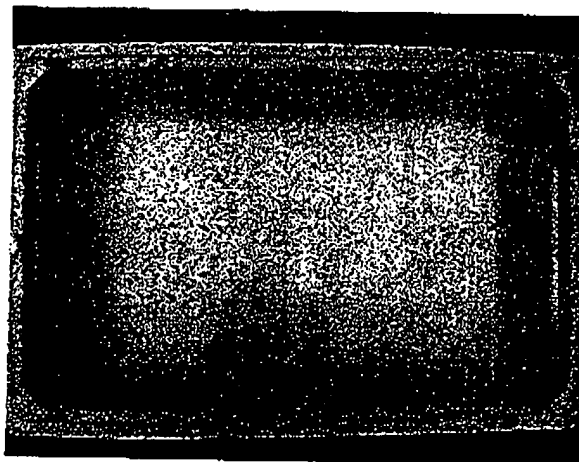


Fig.43

SPINACH (AFTER 43 DAYS CULTIVATION)

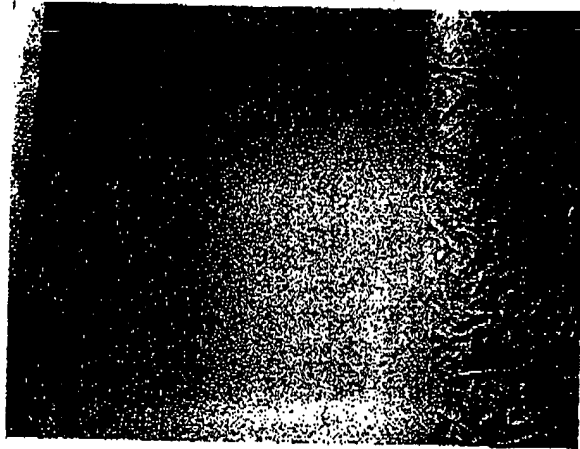
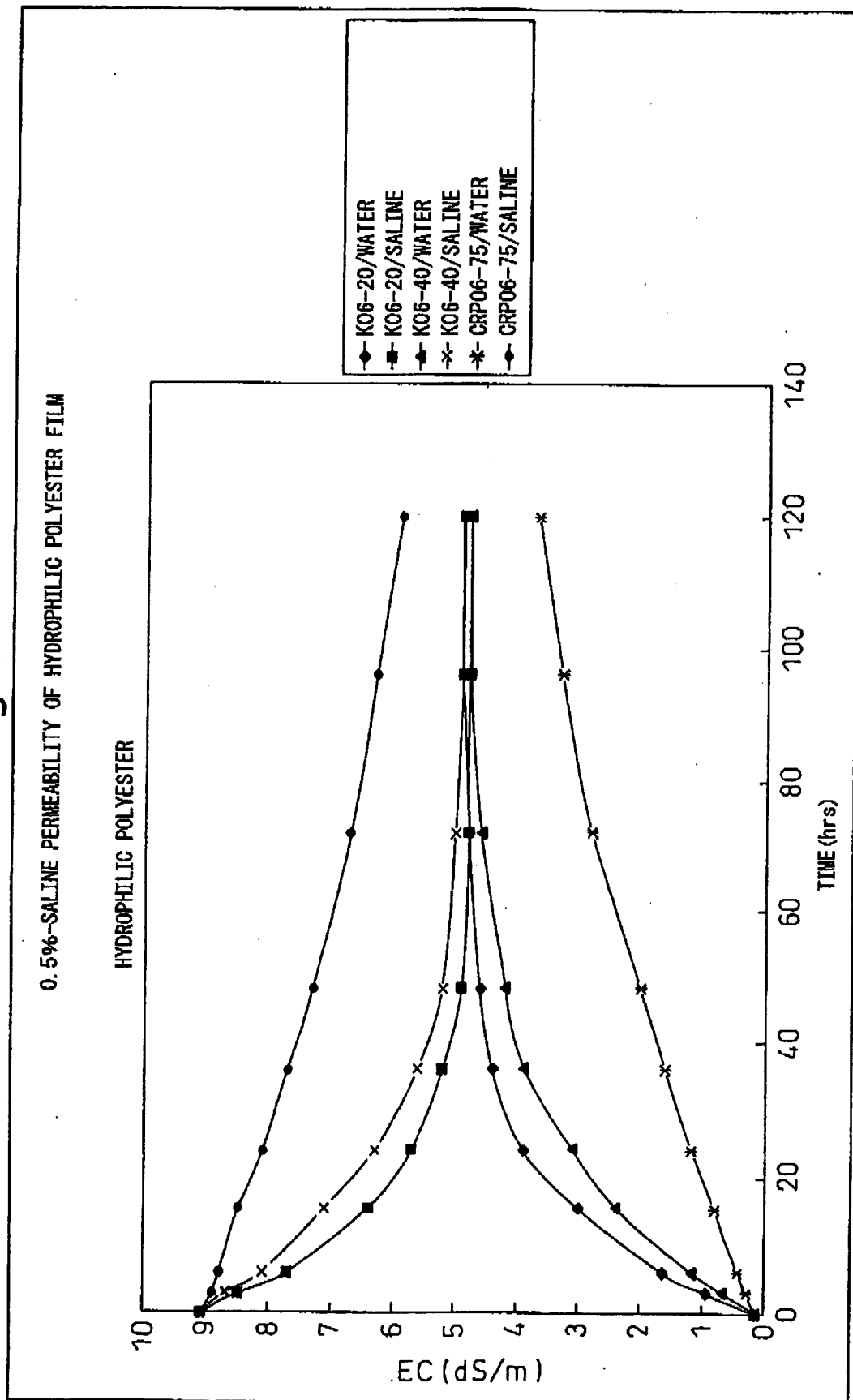


Fig. 44



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Fig.45

0.5%-SALINE PERMEABILITY OF PVA FILM

PVA

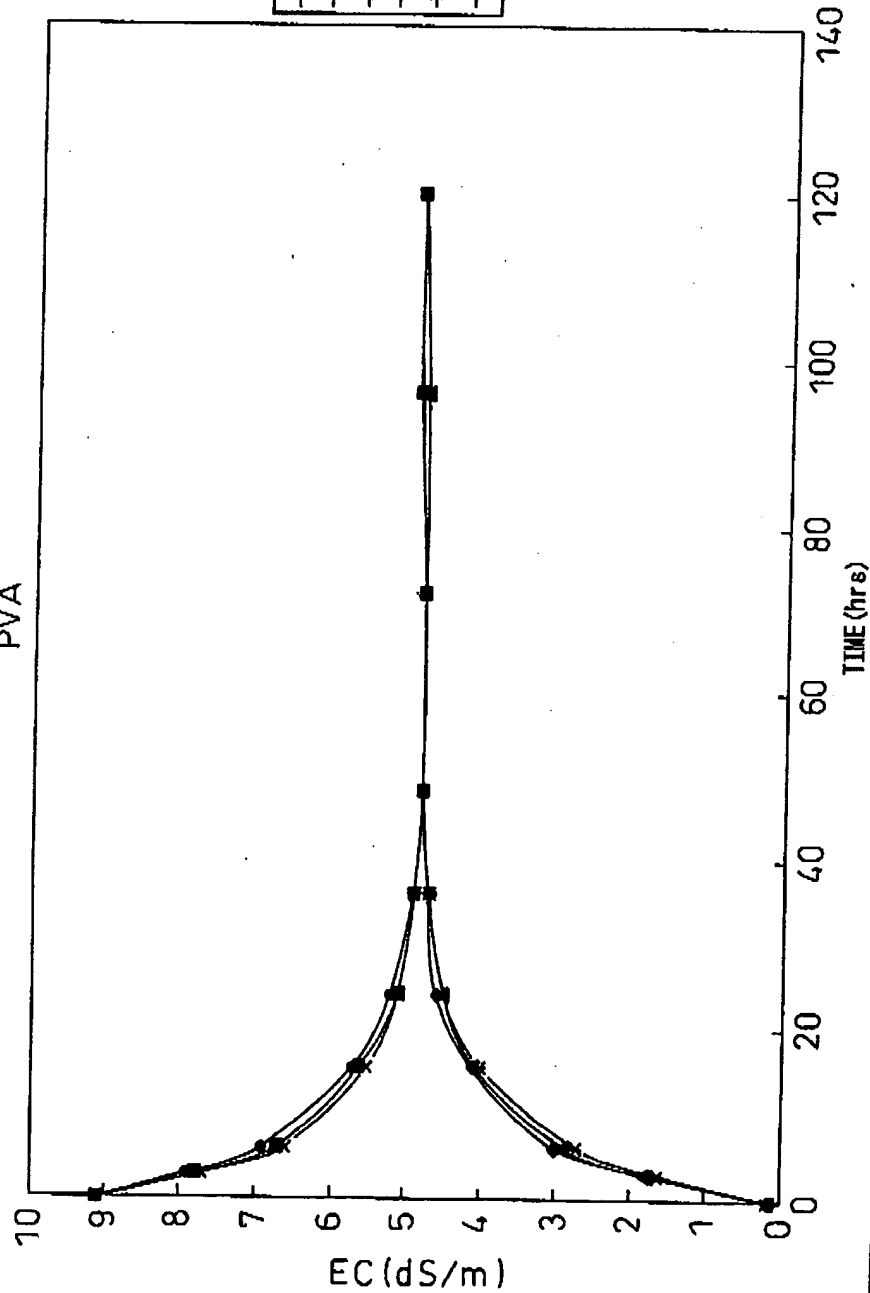


Fig.46

No. 1 PVA FILM ALONE (RUCOLA)



Fig.47

No. 2 SUPERPOSITION OF PVA FILM AND SHOJI PAPER (BROCCOLI)

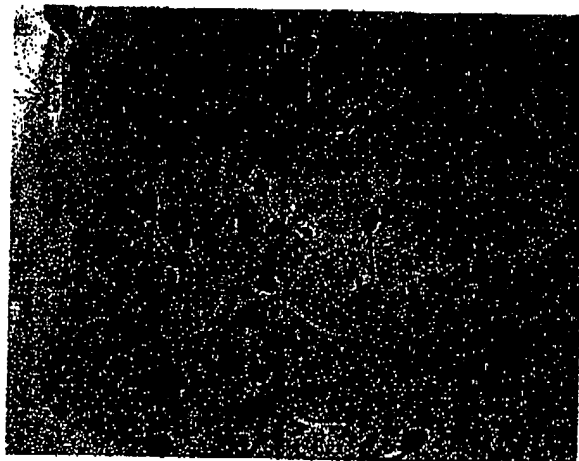


Fig. 48

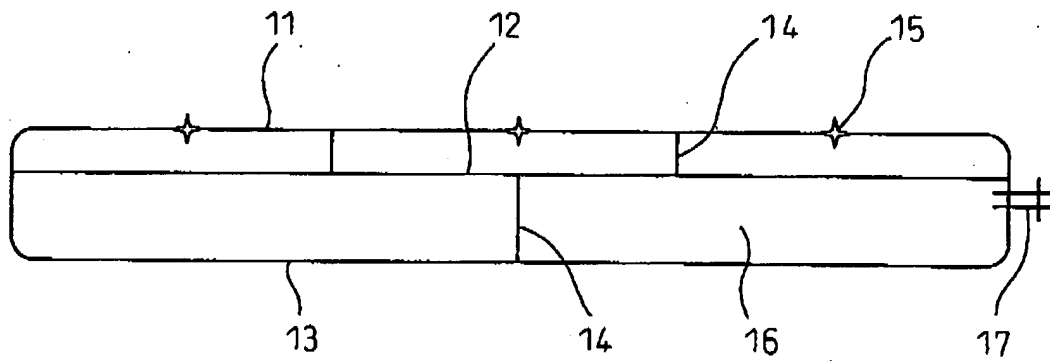


Fig. 49

(a) DEC. 11 (FOUR DAYS AFTER PLANTING)



(b) DEC. 30 (23 DAYS)



Fig. 50

(a) SEP. 11 (FOUR DAYS AFTER PLANTING)



(b) NOV. 15



Fig. 51

ROOTS VIEWED FROM BACK SIDE OF CELL TRAY

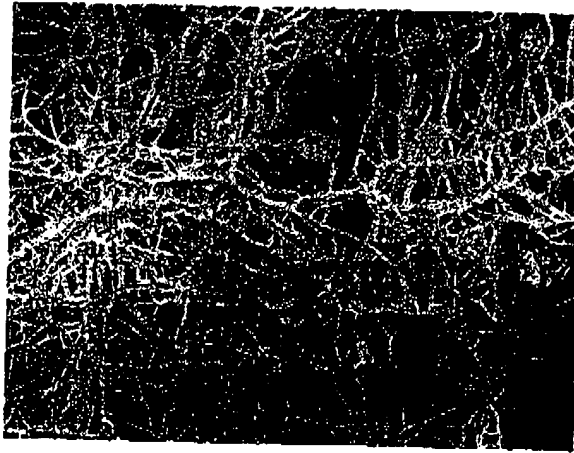


Fig. 52

(a) JULY 18



(b) AUG. 23



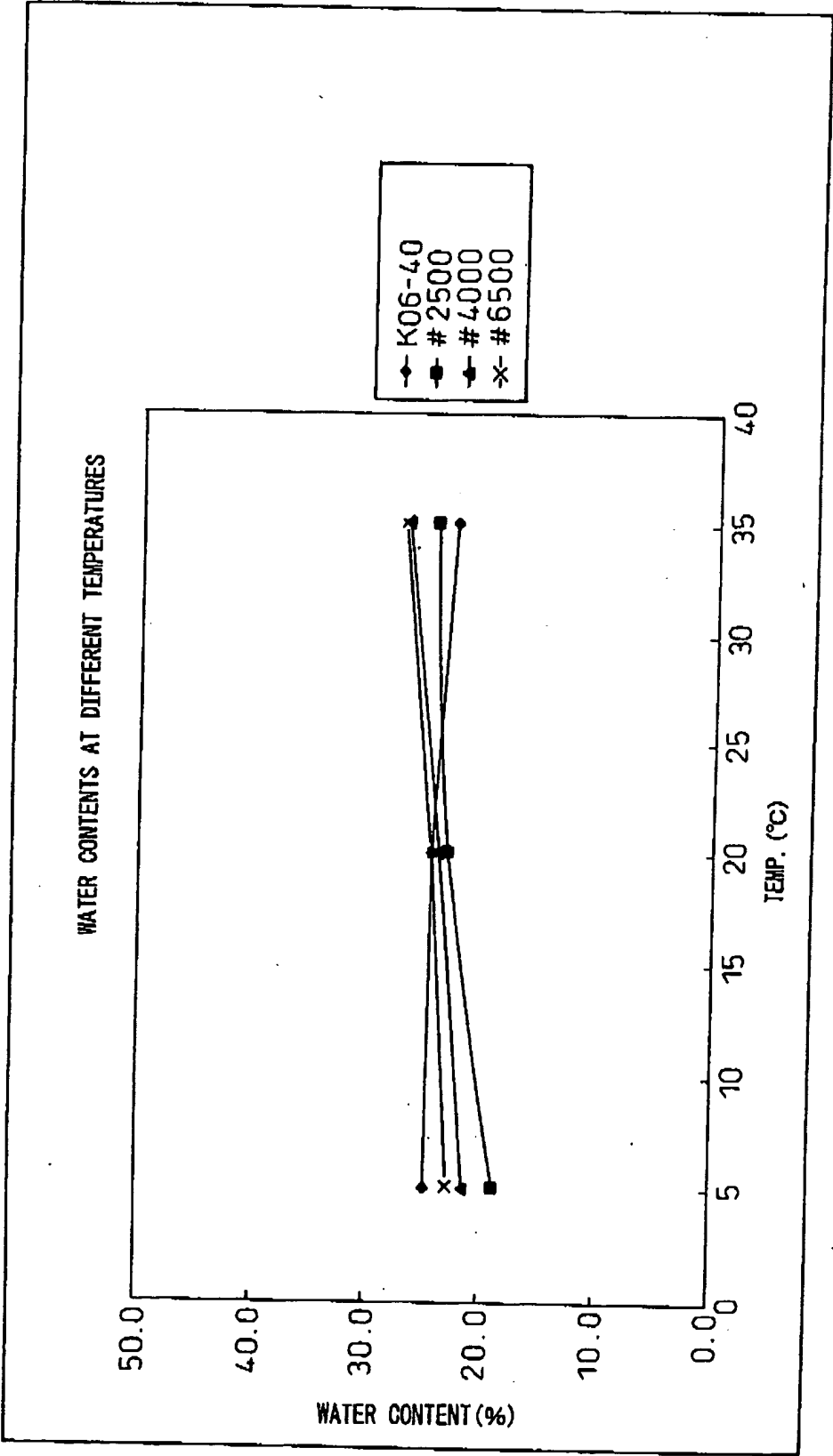
Fig. 53

ROOTS VIEWED FROM BACK SIDE OF URETHANE FOAM



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Fig.54



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